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=> S akap18 (4A) (splice variant)
L1 13 AKAP18 (4A) (SPLICE VARIANT)

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=> S (protein kinase anchor protein)
L2      22 (PROTEIN KINASE ANCHOR PROTEIN)

=> S akap18 (4A) (splice variant) or (alternative splicing)
L3      94492 AKAP18 (4A) (SPLICE VARIANT) OR (ALTERNATIVE SPLICING)

=> S akap18 (4A) ((splice variant) or (alternative splicing))
L4      14 AKAP18 (4A) ((SPLICE VARIANT) OR (ALTERNATIVE SPLICING))

=> s 14 and 12
L5      1 L4 AND L2

=> d 15 bib ab
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L5      ANSWER 1 OF 1 HCAPLUS  COPYRIGHT 2010 ACS on STN
AN      2004:220359 HCAPLUS
DN      140:249009
TI      AKAP18δ, a novel splice variant of
        protein kinase A anchor protein AKAP18 and its use in screening for A
        kinase-AKAP18δ binding modulators
IN      Klusmann, Enno; Oksche, Alexander; Rosenthal, Walter
PA      Forschungsverbund Berlin E. V., Germany
SO      PCT Int. Appl., 67 pp.
        CODEN: PIXXD2
DT      Patent
LA      German
FAN.CNT 1
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004022591	A1	20040318	WO 2003-EP9892	20030905
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	DE 10306085	A1	20040325	DE 2003-10306085	20030207
	DE 10306085	B4	20070111		
	CA 2497254	A1	20040318	CA 2003-2497254	20030905
	AU 2003270149	A1	20040329	AU 2003-270149	20030905
	EP 1537142	A1	20050608	EP 2003-750490	20030905
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	JP 2006515743	T	20060608	JP 2004-533498	20030905
	US 20060154330	A1	20060713	US 2005-526768	20051107
PRAI	DE 2002-10244072	A	20020906		
	DE 2003-10306085	A	20030207		
	WO 2003-EP9892	W	20030905		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

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AB      The invention relates to a nucleic acid sequence coding for a protein
        kinase A anchor protein, to the use of said nucleic acid sequence in a
        fusion protein, to a method for determining the interaction of the protein
        kinase A anchor protein with regulatory subunits of the protein kinase A,
        and to a method for identifying cell-permeable substances. Thus, a new
        splice variant of the human AKAP18 gene,
        AKAP18δ was identified. The δ isoform is a 353-amino acid
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protein which differs from the γ isoform by an addnl. 27 N-terminal amino acids. AKAP188 is found in aquaporin 2-containing intracellular vesicles. Addnl., AKAP188 is localized to Ca^{2+} channels in the heart. The interaction of AKAP188 with protein kinase A subunit $\text{RII}\alpha$ was demonstrated by FRET in HEK293 cells transformed with expression vectors encoding AKAP188-CFP and $\text{RII}\alpha$ -YFP fusion proteins. This interaction was inhibited by membrane-permeable peptide S-Ht31, a stearic acid-conjugated peptide derived from the RII binding domain of AKAP Ht31.

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